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## RAW SEQUENCE LISTING

DATE: 08/30/2004

PATENT APPLICATION: US/10/765,672

TIME: 14:50:11

Input Set : N:\Cr3\RULE60\10765672.raw.txt

Output Set: N:\CRF4\08302004\J765672.raw

## SEQUENCE LISTING

3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: Henrickson, Kelly J.

6 Fan, Jiang (n.m.i.)

8 (ii) TITLE OF INVENTION: VIRUS ASSAY METHOD

10 (iii) NUMBER OF SEQUENCES: 65

12 (iv) CORRESPONDENCE ADDRESS:

13 (A) ADDRESSEE: Quarles & Brady

14 (B) STREET: 411 East Wisconsin Avenue

15 (C) CITY: Milwaukee

16 (D) STATE: Wisconsin

17 (E) COUNTRY: U.S.A.

18 (F) ZIP: 53202-4497

20 (v) COMPUTER READABLE FORM:

21 (A) MEDIUM TYPE: Floppy disk

22 (B) COMPUTER: IBM PC compatible

23 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

24 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25

26 (vi) CURRENT APPLICATION DATA:

C--> 27 (A) APPLICATION NUMBER: US/10/765,672

C--> 28 (B) FILING DATE: 27-Jan-2004

W--> 33 (C) CLASSIFICATION:

30 (vii) PRIOR APPLICATION DATA:

31 (A) APPLICATION NUMBER: US/09/484,704

32 (B) FILING DATE: 18-Jan-2000

35 (viii) ATTORNEY/AGENT INFORMATION:

36 (A) NAME: Baker, Jean C.

37 (B) REGISTRATION NUMBER: 35,433

38 (C) REFERENCE/DOCKET NUMBER: 650053.91126

40 (ix) TELECOMMUNICATION INFORMATION:

41 (A) TELEPHONE: (414) 277-5000

42 (B) TELEFAX: (414) 271-3552

45 (2) INFORMATION FOR SEQ ID NO: 1:

47 (i) SEQUENCE CHARACTERISTICS:

48 (A) LENGTH: 20 base pairs

49 (B) TYPE: nucleic acid

50 (C) STRANDEDNESS: single

51 (D) TOPOLOGY: linear

W--> 52 (ii) MOLECULE TYPE: oligonucleotide

54 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

56 ATATCAAGGA CTATAAACAT

59 (2) INFORMATION FOR SEQ ID NO: 2:

61 (i) SEQUENCE CHARACTERISTICS:

ENTERED

20

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62          (A) LENGTH: 21 base pairs
63          (B) TYPE: nucleic acid
64          (C) STRANDEDNESS: single
65          (D) TOPOLOGY: linear
W--> 67      (ii) MOLECULE TYPE: oligonucleotide
69          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
71 TTCTGGAGAT GTCCCGTAGG A                                21
74 (2) INFORMATION FOR SEQ ID NO: 3:
76      (i) SEQUENCE CHARACTERISTICS:
77          (A) LENGTH: 34 base pairs
78          (B) TYPE: nucleic acid
79          (C) STRANDEDNESS: single
80          (D) TOPOLOGY: linear
W--> 82      (ii) MOLECULE TYPE: oligonucleotide
84          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
86 TACCTTCATT ATCAATTGGT GATGCAATAT ATGC                    34
89 (2) INFORMATION FOR SEQ ID NO: 4:
91      (i) SEQUENCE CHARACTERISTICS:
92          (A) LENGTH: 31 base pairs
93          (B) TYPE: nucleic acid
94          (C) STRANDEDNESS: single
95          (D) TOPOLOGY: linear
W--> 97      (ii) MOLECULE TYPE: oligonucleotide
99          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
101 TATTCATCAA ACTTAATCAC TCAAGGATGT G                        31
104 (2) INFORMATION FOR SEQ ID NO: 5:
106      (i) SEQUENCE CHARACTERISTICS:
107          (A) LENGTH: 23 base pairs
108          (B) TYPE: nucleic acid
109          (C) STRANDEDNESS: single
110          (D) TOPOLOGY: linear
W--> 111     (ii) MOLECULE TYPE: oligonucleotide
112          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
113 TAAATTCAGA TATGTATCCT GAT                                23
116 (2) INFORMATION FOR SEQ ID NO: 6:
118      (i) SEQUENCE CHARACTERISTICS:
119          (A) LENGTH: 25 base pairs
120          (B) TYPE: nucleic acid
121          (C) STRANDEDNESS: single
122          (D) TOPOLOGY: linear
W--> 124     (ii) MOLECULE TYPE: oligonucleotide
126          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
128 ACCTATGACA TCAACGACAA CAGGA                                25
131 (2) INFORMATION FOR SEQ ID NO: 7:
133      (i) SEQUENCE CHARACTERISTICS:
134          (A) LENGTH: 35 base pairs
135          (B) TYPE: nucleic acid
136          (C) STRANDEDNESS: single
137          (D) TOPOLOGY: linear

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W--> 139      (ii) MOLECULE TYPE: oligonucleotide
141      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
143 TGGCTAAAGA AAAGACAAGT TGTCAATGTC TTAAT                      35
146 (2) INFORMATION FOR SEQ ID NO: 8:
148      (i) SEQUENCE CHARACTERISTICS:
149          (A) LENGTH: 26 base pairs
150          (B) TYPE: nucleic acid
151          (C) STRANDEDNESS: single
152          (D) TOPOLOGY: linear

W--> 154      (ii) MOLECULE TYPE: oligonucleotide
156      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
158 GAGACTATTC CAATAACTCA AAATTA                      26
161 (2) INFORMATION FOR SEQ ID NO: 9:
162      (i) SEQUENCE CHARACTERISTICS:
163          (A) LENGTH: 20 base pairs
164          (B) TYPE: nucleic acid
165          (C) STRANDEDNESS: single
166          (D) TOPOLOGY: linear

W--> 167      (ii) MOLECULE TYPE: oligonucleotide
168      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
169 CCTATGTTGT TCAAGACAAG                      20
172 (2) INFORMATION FOR SEQ ID NO: 10:
174      (i) SEQUENCE CHARACTERISTICS:
175          (A) LENGTH: 6 amino acids
176          (B) TYPE: amino acid
177          (C) STRANDEDNESS: single
178          (D) TOPOLOGY: linear
180      (ii) MOLECULE TYPE: peptide
182      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
184 Ile Ser Arg Thr Ile Asn
185 1          5
188 (2) INFORMATION FOR SEQ ID NO: 11:
190      (i) SEQUENCE CHARACTERISTICS:
191          (A) LENGTH: 7 amino acids
192          (B) TYPE: amino acid
193          (C) STRANDEDNESS: single
194          (D) TOPOLOGY: linear
196      (ii) MOLECULE TYPE: peptide
198      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
200 Phe Trp Arg Cys Pro Val Gly
201 1          5
204 (2) INFORMATION FOR SEQ ID NO: 12:
206      (i) SEQUENCE CHARACTERISTICS:
207          (A) LENGTH: 10 amino acids
208          (B) TYPE: amino acid
209          (C) STRANDEDNESS: single
210          (D) TOPOLOGY: linear
212      (ii) MOLECULE TYPE: peptide
214      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:

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216      Pro Ser Leu Ser Ile Gly Leu Ala Ile Tyr
217      1              5              10
220 (2) INFORMATION FOR SEQ ID NO: 13:
222      (i) SEQUENCE CHARACTERISTICS:
223          (A) LENGTH: 10 amino acids
224          (B) TYPE: amino acid
225          (C) STRANDEDNESS: single
226          (D) TOPOLOGY: linear
228      (ii) MOLECULE TYPE: peptide
230      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
232      Tyr Ser Ser Asn Leu Ile Thr Gln Gly Cys
233      1              5              10
236 (2) INFORMATION FOR SEQ ID NO: 14:
238      (i) SEQUENCE CHARACTERISTICS:
239          (A) LENGTH: 7 amino acids
240          (B) TYPE: amino acid
241          (C) STRANDEDNESS: single
242          (D) TOPOLOGY: linear
244      (ii) MOLECULE TYPE: peptide
246      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
248      Asn Cys Asp Met Tyr Pro Asp
249      1              5
252 (2) INFORMATION FOR SEQ ID NO: 15:
254      (i) SEQUENCE CHARACTERISTICS:
255          (A) LENGTH: 8 amino acids
256          (B) TYPE: amino acid
257          (C) STRANDEDNESS: single
258          (D) TOPOLOGY: linear
260      (ii) MOLECULE TYPE: peptide
262      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
264      Thr Tyr Asp Ile Asn Asp Asn Arg
265      1              5
268 (2) INFORMATION FOR SEQ ID NO: 16:
270      (i) SEQUENCE CHARACTERISTICS:
271          (A) LENGTH: 11 amino acids
272          (B) TYPE: amino acid
273          (C) STRANDEDNESS: single
274          (D) TOPOLOGY: linear
276      (ii) MOLECULE TYPE: peptide
278      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
280      Trp Leu Lys Lys Arg Gln Val Val Asn Val Leu
281      1              5              10
284 (2) INFORMATION FOR SEQ ID NO: 17:
286      (i) SEQUENCE CHARACTERISTICS:
287          (A) LENGTH: 8 amino acids
288          (B) TYPE: amino acid
289          (C) STRANDEDNESS: single
290          (D) TOPOLOGY: linear
292      (ii) MOLECULE TYPE: peptide

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294      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
296      Glu Thr Ile Pro Ile Thr Gln Asn
297      1          5
300 (2) INFORMATION FOR SEQ ID NO: 18:
302      (i) SEQUENCE CHARACTERISTICS:
303          (A) LENGTH: 6 amino acids
304          (B) TYPE: amino acid
305          (C) STRANDEDNESS: single
306          (D) TOPOLOGY: linear
308      (ii) MOLECULE TYPE: peptide
310      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
312      Pro Met Leu Phe Lys Thr
313      1          5
316 (2) INFORMATION FOR SEQ ID NO: 19:
318      (i) SEQUENCE CHARACTERISTICS:
319          (A) LENGTH: 27 base pairs
320          (B) TYPE: nucleic acid
321          (C) STRANDEDNESS: single
322          (D) TOPOLOGY: linear
V--> 324      (ii) MOLECULE TYPE: oligonucleotide
326      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
328 ATTTCTGGAG ATGTCCCGTA GGAGAAC                27
331 (2) INFORMATION FOR SEQ ID NO: 20:
333      (i) SEQUENCE CHARACTERISTICS:
334          (A) LENGTH: 29 base pairs
335          (B) TYPE: nucleic acid
336          (C) STRANDEDNESS: single
337          (D) TOPOLOGY: linear
V--> 339      (ii) MOLECULE TYPE: oligonucleotide
341      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
343 CACATCCTTG AGTGATTAAG TTTGATGAT                29
346 (2) INFORMATION FOR SEQ ID NO: 21:
348      (i) SEQUENCE CHARACTERISTICS:
349          (A) LENGTH: 33 base pairs
350          (B) TYPE: nucleic acid
351          (C) STRANDEDNESS: single
352          (D) TOPOLOGY: linear
V--> 354      (ii) MOLECULE TYPE: oligonucleotide
356      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:
358 TACCTTCATT ATCAATTGGT GATGCAATAT ATG            33
361 (2) INFORMATION FOR SEQ ID NO: 22:
363      (i) SEQUENCE CHARACTERISTICS:
364          (A) LENGTH: 29 base pairs
365          (B) TYPE: nucleic acid
366          (C) STRANDEDNESS: single
367          (D) TOPOLOGY: linear
V--> 369      (ii) MOLECULE TYPE: oligonucleotide
371      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:
373 GTCTCATGGA TTCCGATGAT TCACAGCAA                29

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## VERIFICATION SUMMARY

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Input Set : N:\Crf3\RULE60\10765672.raw.txt

Output Set: N:\CRF4\08302004\J765672.raw

27 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
28 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
33 M:238 W: Alpha Fields not Ordered, Reordered [(C) CLASSIFICATION:] of (1)(vi)  
52 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=1  
67 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=2  
82 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=3  
97 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=4  
111 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=5  
124 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=6  
139 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=7  
154 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=8  
167 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=9  
324 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=19  
339 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=20  
354 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=21  
369 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=22  
384 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=23  
399 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=24  
414 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=25  
429 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=26  
444 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=27  
459 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=28  
474 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=29  
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504 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=31  
519 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=32  
534 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=33  
549 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=34  
563 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=35  
578 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=36  
593 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=37  
608 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=38  
623 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=39  
637 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=40  
651 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=41  
666 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=42  
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801 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=51  
816 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=52  
831 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=53  
846 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=54

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876 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=56  
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906 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=58  
921 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=59  
936 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=60  
951 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=61  
966 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=62  
981 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=63  
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